



**Contract Holder**  
Contract GS-03F-036BA

### **Authorized Federal Supply Schedule Price List**

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through



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Title (Commodity): Professional Audio/Video Telecommunications and Security Solutions  
General Description of Commodity: Audio/Video Clarification Tools, Recorders, and Transmitters

FSC Group 58, Part III, Section B  
FSC Class: 5835

**CONTRACT NUMBER: GS-03F-036BA**

(Original Award)

CONTRACT PERIOD: April 1, 2014 through March 31, 2019

**Digital Audio Corporation**

**d/b/a Salient Sciences**

4018 Patriot Drive Suite 300

Durham, NC 27703

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BUSINESS SIZE: Small

Customer Information: Page 2

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Effective  
1 April 2014

## CUSTOMER INFORMATION FOR GSA CONTRACT NUMBER GS-03F-036BA

1. Table of awarded special item number with appropriate cross-reference to catalog page number:  
Special Item Number 58-1 *Recording and Reproducing Video and Audio Equipment, Including Spare & Repair Parts, and Accessories*: catalog pages 3-5  
Special Item Number 58-4 *Audio Equipment, Including Spare Parts and Accessories*: catalog pages 6-11  
Special Item Number 58-8 *Professional Audio/Video Assessment, Design, and Integration*: catalog pages 12-15
2. Maximum Order: Contractor reserves the right to refuse by written notice within five business days any single order larger than \$500,000.
3. Minimum Order: The minimum dollar value of orders to be issued under this contract is \$100.
4. Geographic Coverage: Continental United States, Alaska, Hawaii, and Puerto Rico.
5. Point of Production: Manufacturer's facility in Durham, Durham County, North Carolina.
6. Discounts: Basic Discounts - Prices listed herein are "NET;" basic discounts have been deducted from commercial price list. Any of the products listed as special item numbers 58-1 and 58-4 may be combined on a single order to qualify for the quantity discount prices.
7. Quantity Discounts: For all products under Special Item Numbers 58-1 and 58-4, quantity 1-10 (15%); quantity 11-20 (17%); quantity 21 or more (20%), plus 0.75% IFF. For all services under Special Item Number 58-8, 15% standard discount, plus 0.75% IFF; additional quantity discounts may be negotiated on a project-specific basis.
8. Payment Terms: NET 30 days from receipt of invoice or date of acceptance, whichever is later.
- 9a. Government Commercial Credit Card: Accepted.
- 9b. Discount for payment by Government Commercial Credit Card: None.
10. Foreign Produced Items: None.
- 11a. Time of Delivery: 45 days after receipt of order.
  - 11b. Expedited Delivery: All products in this Federal Supply Schedule Price List are available on an expedited basis. Contact the contractor to determine best available delivery. Expedited delivery carries a 5% premium.
  - 11c. Overnight and 2-Day Delivery: Contractor does not normally stock products. Contact the contractor to determine best available delivery and any additional charges applicable.
  - 11d. Urgent Requirements: Contractor does not normally stock products. Contact the contractor to determine best available delivery and any additional charges applicable.
12. F.O.B. Points: Destination within Continental United States and Washington, D.C.; Origin (Durham, NC) for Alaska, Hawaii, and Puerto Rico.
13. Ordering and Payment Address: 4018 Patriot Drive, Suite 300, Durham, North Carolina 27703.
14. Warranty Provision: All hardware procured here under is guaranteed for a period of 24 months from delivery, except for expendable items such as cassettes and media cards; during this period, all broken or defective parts not caused by accident or misuse through fault or negligence by the Government will be replaced (including parts and labor) at the contractor's expense, including transportation costs, if any. All procured software products are licensed "as-is", with full entitlement to download from the contractor's servers all patches, updates, and upgrades to the purchased product for a period of 24 months after delivery; thereafter, software maintenance must be purchased to continue entitlement to later version updates.
15. Export Packing Charges: Outside the scope of this contract.
16. Terms and Conditions of Government Commercial Credit Card: Credit cards accepted.
17. Terms and Conditions of Rental, Maintenance, and Repair: Outside the scope of this contract.
18. Terms and Conditions of Installation: Outside the scope of this contract.
19. Terms and Conditions of Repair Parts Indicating Date of Parts Pricelists and Any Discounts from List Prices: Outside the scope of this contract.
20. Service and Distribution Point: 4018 Patriot Drive, Suite 300, Durham, NC 27703.
21. List of Participating Dealers: None.
22. Preventive Maintenance: Outside the scope of this contract.
23. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: We incorporate environmentally sound practices into all aspects of our business.
24. Data Universal Number System (DUNS) number: 099168312
25. System for Award Management (SAM) database: Registered in SAM (<http://www.sam.gov>); CAGE Code is 0E3F1.

## SPECIAL ITEM NO. 58-1

All prices listed are Government net price. Discounts have been deducted and IFF applied.  
For detailed equipment specifications, please contact Salient Sciences.

### **Video Forensics Solutions**

#### **VideoFOCUS Software (Overview)**

*Built from its beginnings as a digital video forensics tool, VideoFOCUS provides powerful capabilities with evidentiary data integrity and resolution absolutely ensured. Unlike traditional timeline-based video editors, which often include extensive menus of features oriented toward commercial video production that would never be used in forensic video work, the intuitive user interface of VideoFOCUS makes it extremely fast and easy to use.*

*Key capabilities of VideoFOCUS include: direct digital video import and export, digital video screen capture, analog video screen capture, video de-multiplexing and de-interlacing, object tracking, camera stabilization, and powerful video and image filtering functions. Importantly, the patented super-resolution filter in VideoFOCUS enables the extraction of high-quality still images from grainy or compressed video by combining the unique pixel information of a given scene across successive frames or fields. Finally, player-based cut, copy, and paste editing allows quick assembly of end-product videos for dissemination and presentation in court.*

*VideoFOCUS is available as two separate products, VFPro and VFSOURCE:*

- VFPro is our most advanced, flagship product providing all of our capabilities that is meant as a complete laboratory solution for forensic video analysts, and;*
- VFSOURCE is our more basic screen capture, conversion, and still-image generation product, usable either in the field for quick video retrieval and review or back at the lab for applications that do not require the more advanced video and image editing, filtering, and stabilization features of VFPro.*

*A dedicated software maintenance and R&D program ensures that VideoFOCUS continually advances in capability and keeps pace with the rapid changes in digital video and audio recording technology and formats. Annual upgrade and support packages are available for both VFPro and VFSOURCE.*

#### **◆ VideoFOCUS Pro Software**

VideoFOCUS Pro 4.1 Software (Persistent License, Soft or Dongle). Purchase entitles user to one permanent seat of VFPro software at current version, with two years of maintenance and updates included; additional years of maintenance and updates purchased separately. Software will function indefinitely at latest version purchased or maintained.

**List Price: \$14,900      GSA qty 1-10: \$12,760      qty 11-20: \$12,460      qty 21 or more: \$12,009**

#### **◆ VideoFOCUS Pro Software BUNDLE 2**

VideoFOCUS Pro 4.1 Software, 2-Seat Bundle (Persistent License, Soft or Dongle). Purchase entitles user to 2 permanent seats of VFPro software at current version, with two years of maintenance and updates included; additional years of maintenance and updates purchased separately. Software will function indefinitely at latest version purchased or maintained.

**List Price: \$24,900      GSA qty 1-10: \$21,324      qty 11-20: \$20,822      qty 21 or more: \$20,069**

#### **◆ VideoFOCUS Pro Software BUNDLE 3**

VideoFOCUS Pro 4.1 Software, 3-Seat Bundle (Persistent License, Soft or Dongle). Purchase entitles user to 3 permanent seats of VFPro software at current version, with two years of maintenance and updates included; additional years of maintenance and updates purchased separately. Software will function indefinitely at latest version purchased or maintained.

**List Price: \$34,800      GSA qty 1-10: \$29,802      qty 11-20: \$29,101      qty 21 or more: \$28,049**

#### ◆ VideoFOCUS Pro Software BUNDLE 4

VideoFOCUS Pro 4.1 Software, 3-Seat Bundle (Persistent License, Soft or Dongle). Purchase entitles user to 3 permanent seats of VFPro software at current version, with two years of maintenance and updates included; additional years of maintenance and updates purchased separately. Software will function indefinitely at latest version purchased or maintained.

**List Price: \$44,700      GSA qty 1-10: \$38,280      qty 11-20: \$37,379      qty 21 or more: \$36,028**

#### ◆ VideoFOCUS Pro Crisis Response BUNDLE 20

VideoFOCUS Pro, 20-Seat Crisis Response Bundle (Prepaid 90-Day Subscription License, Soft Only). Purchase entitles user to 20 seats of the latest version VFPro software, including all maintenance and updates, each of which can be activated by the user as a short-term, crisis response measure at anytime in the future. Each seat, once activated, will function for 90 days and then cease to operate.

**List Price: \$15,800      GSA qty 1-10: \$13,531      qty 11-20: \$13,212      qty 21 or more: \$12,735**

#### ◆ VFPro Maintenance

One-Year Upgrade and Support Package for one seat of VideoFOCUS Pro Software. Purchase entitles user to all new version updates that become available during the 1-year maintenance period.

**List Price: \$1,800      GSA qty 1-10: \$1,541      qty 11-20: \$1,505      qty 21 or more: \$1,451**

#### ◆ VFPro 2YR Maintenance

Two-Year Upgrade and Support Package for one seat of VideoFOCUS Pro Software. Purchase entitles user to all new version updates that become available during the 2-year maintenance period. ***Only one 2YR or 3YR Maintenance package can be purchased per seat; additional years must be purchased at the one-year price.***

**List Price: \$3,300      GSA qty 1-10: \$2,826      qty 11-20: \$2,760      qty 21 or more: \$2,660**

#### ◆ VFPro 3YR Maintenance

Three-Year Upgrade and Support Package for one seat of VideoFOCUS Pro Software. Purchase entitles user to all new version updates that become available during the 3-year maintenance period. ***Only one 2YR or 3YR Maintenance package can be purchased per seat; additional years must be purchased at the one-year price.***

**List Price: \$4,500      GSA qty 1-10: \$3,854      qty 11-20: \$3,763      qty 21 or more: \$3,627**

#### ◆ VFPro 3.1 Upgrade to 4.1

One-time update of one seat of VideoFOCUS Pro Software to Version 4.1, with one future year of maintenance included. From VFPro 3.1.

**List Price: \$3,600      GSA qty 1-10: \$3,083      qty 11-20: \$3,010      qty 21 or more: \$2,902**

#### ◆ VFPro 3.0 Upgrade to 4.1

One-time update of one seat of VideoFOCUS Pro Software to Version 4.1, with one future year of maintenance included. From VFPro 3.0.

**List Price: \$5,400      GSA qty 1-10: \$4,624      qty 11-20: \$4,516      qty 21 or more: \$4,352**

#### ◆ VFPro 2.5 Upgrade to 4.1

One-time update of one seat of VideoFOCUS Pro Software to Version 4.1, with one future year of maintenance included. From VFPro 2.5 or earlier.

**List Price: \$9,000      GSA qty 1-10: \$7,707      qty 11-20: \$7,526      qty 21 or more: \$7,254**

#### ◆ VFSource Software

VFSource 4.1 Software Package, US (Persistent License, Soft or Dongle). Purchase entitles user to one permanent seat of VFSource software at current version, with two years of maintenance and updates included; additional years of maintenance and updates purchased separately. Software will function indefinitely at latest version purchased or maintained.

**List Price: \$3,995      GSA qty 1-10: \$3,421      qty 11-20: \$3,341      qty 21 or more: \$3,220**

#### ◆ VFSource Maintenance

One-Year Upgrade and Support Package for one seat of VFSource Software. Purchase entitles user to all new version updates that become available during the maintenance period; must be renewed annually to maintain continuous entitlement to latest version.

**List Price: \$600      GSA qty 1-10: \$514      qty 11-20: \$502      qty 21 or more: \$484**

#### ◆ VFSource 2YR Maintenance

Two-Year Upgrade and Support Package for one seat of VFSource Software. Purchase entitles user to all new version updates that become available during the 2-year maintenance period. ***Only one 2YR or 3YR Maintenance package can be purchased per seat; additional years must be purchased at the one-year price.***

**List Price: \$1,100      GSA qty 1-10: \$942      qty 11-20: \$920      qty 21 or more: \$887**

#### ◆ VFSource 3YR Maintenance

Three-Year Upgrade and Support Package for one seat of VFSource Pro Software. Purchase entitles user to all new version updates that become available during the 3-year maintenance period. ***Only one 2YR or 3YR Maintenance package can be purchased per seat; additional years must be purchased at the one-year price.***

**List Price: \$1,500      GSA qty 1-10: \$1,285      qty 11-20: \$1,254      qty 21 or more: \$1,209**

## SPECIAL ITEM NO. 58-4

All prices listed are Government net price. Discounts have been deducted and IFF applied.  
For detailed equipment specifications, please contact Salient Sciences.

### **Audio Forensics Solutions**

#### **CARDINAL MiniLab Forensic Audio Plug-Ins (Overview)**

*CARDINAL MiniLab is a comprehensive set of software-based plug-ins that provides the same powerful filters that are found on the DSP hardware-based CARDINAL AudioLab workstations, with a familiar user interface to the many forensic audio experts throughout the world that have been trained on these and other Digital Audio Corporation (now Salient Sciences) audio clarification products. Based on VST technology, the MiniLab plug-ins operate within your favorite digital audio workstation environment, such as Adobe Audition, Sony Sound Forge, Acon Acoustica, iZotope, or Audacity, and are capable of reducing many different types of noises in voice recordings, including tonal noises, room "rumble", hum, engine noises, motors and fans, static, hiss, and background interferers (such as radio or television). Certain MiniLab plug-ins can also correct both acoustical and equipment effects that degrade voice intelligibility, such as muffling, spectral coloration, echo/reverberation, near/far party problems, microphone concealment issues, and poor frequency response of the equipment. Each MiniLab plug-in includes a dual-trace spectral analysis capability, allowing visual comparison of before and after audio, plus other visualizations as may be required by the specific tool, such as coefficient display, frequency response curve, etc. With the exception of the Filter Chain plug-in, which is only available with the Advanced Suite, all MiniLab plug-ins are available for sale either individually or as bundled suites. If required, your choice of host editor software can be provided at extra charge.*

#### **Bundled Suite Pricing (Boxed Media Purchase):**

##### **◆ MiniLab Forensic Suite**

The CARDINAL MiniLab Suite contains the following nine software plug-ins: 1CH Adaptive, Spectral Inverse, Multi-Band, Comb, Spectral Subtraction, X-Pass, Graphic EQ, Parametric EQ, and Gain.

**List Price: \$3,995      GSA qty 1-10: \$3,421      qty 11-20: \$3,341      qty 21 or more: \$3,220**

##### **◆ MiniLab Advanced Suite**

The CARDINAL MiniLab Advanced Suite contains the nine software plug-ins included in the MiniLab Suite, plus the Reference Cancellor Plug-In. Additionally, a special Filter Chain plug-in is provided, which allows combining multiple MiniLab filtering plug-ins within what appears to the host editor as a single plug-in. Factory preset solutions to common noise and effect issues are included.

**List Price: \$5,495      GSA qty 1-10: \$4,706      qty 11-20: \$4,595      qty 21 or more: \$4,429**

#### **Individual Plug-In Pricing (License Key Purchase with Software Download):**

##### **◆ MiniLab Reference Cancellor Plug-In**

The CARDINAL MiniLab Reference Cancellor Plug-In provides for reduction of interfering noises from the original, or "primary", signal by means of a second, or "reference", input signal which, ideally, contains only the noise to be reduced. Features include adjustable Filter Size (8192 taps maximum), Delay, Delay Channel, Adapt Rate, and Processor Output; Conditional Adaptation; Coefficient Display graph; selectable Reference input (left or right channel); and optional resampling to 16kHz. This plug-in is included in the Advanced Suite ONLY.

**List Price: \$1,495      GSA qty 1-10: \$1,280      qty 11-20: \$1,250      qty 21 or more: \$1,205**

##### **◆ MiniLab 1CH Adaptive Plug-In**

The CARDINAL MiniLab 1CH Adaptive Plug-In provides reduction of time-correlated noises and effects such as motors, engines, fans, and reverberations. It features adjustable Filter Size (8192 taps maximum), Prediction Span, Adapt Rate (with optional Auto Normalize), and Processor Output. Additional features include Conditional Adaptation, Coefficient Display graph, and optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**List Price: \$1,495      GSA qty 1-10: \$1,280      qty 11-20: \$1,250      qty 21 or more: \$1,205**

#### ◆ **MiniLab Spectral Inverse Plug-In**

The CARDINAL MiniLab Spectral Inverse Plug-In provides automatic reshaping of the frequency response to compensate for muffling, resonance, and other spectral coloration effects that are typically due to microphone concealment and placement issues. Key features include adjustable Lower and Upper Voice Limits, selectable Filter Operation (Equalize Voice or Attack Noise), selectable Output Shape (Flat, Pink, Voice, or Custom), and optional resampling to 16kHz. The Spectral Inverse Filter (SIF) features adjustable Filter Amount and Gain, while the Adaptive Spectral Inverse Filter (ASIF) additionally features adjustable Adapt Rate and an Auto Gain function. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**List Price: \$995      GSA qty 1-10: \$852      qty 11-20: \$832      qty 21 or more: \$802**

#### ◆ **MiniLab X-Pass Plug-In**

The CARDINAL MiniLab X-Pass Plug-In incorporates true linear-phase implementations of the classical Lowpass, Highpass, Bandpass, Bandstop, Notch, and Slot filters into a single tool, allowing precise, intuitive bandlimiting, band rejection, and “shelving” of the signal spectrum as desired. The Lowpass and Highpass filters feature adjustable Cutoff Frequency, Attenuation, and Transition Slope parameters. The Bandpass and Bandstop filters feature adjustable Lower and Upper Cutoff Frequency, Attenuation, and Transition Slope. The Notch and Slot filters feature adjustable Notch/Slot Frequency, Width, and Depth/Stopband Attenuation. All filters feature optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**List Price: \$245      GSA qty 1-10: \$210      qty 11-20: \$205      qty 21 or more: \$197**

#### ◆ **MiniLab Multi-Band Plug-In**

The CARDINAL MiniLab Multi-Band Plug-In provides either reduction or enhancement of multiple tonal signal components via the true linear-phase Multiple Notch and Multiple Slot filters. This plug-in features independently adjustable Notch/Slot Frequency, Width, and Depth for an unlimited number of notches/slots, plus optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**List Price: \$495      GSA qty 1-10: \$424      qty 11-20: \$414      qty 21 or more: \$399**

#### ◆ **MiniLab Comb Plug-In**

The CARDINAL MiniLab Comb Plug-In provides reduction of harmonically-structured tonal noises such as AC mains hum and GSM cell phone interference, using a delay-and-difference comb filter. Key features include adjustable Comb Frequency, Notch Limit, and Depth, with a user-selectable Auto Tracking function for the frequency setting, a Notch Harmonics function (All, Even, or Odd), and optional resampling to 16kHz. This plug-in is included in both the Cardinal MiniLab Suite and the Cardinal MiniLab Advanced Suite product.

**List Price: \$495      GSA qty 1-10: \$424      qty 11-20: \$414      qty 21 or more: \$399**

#### ◆ **MiniLab Spectral Subtraction Plug-In**

The CARDINAL MiniLab Spectral Subtraction Plug-In provides general “de-noising” of residual broadband signals such as static and hiss via the NoiseEQ and Noise Reducer filters. The Noise EQ filter features separate noise reduction controls for each of 20 separate frequency bands, while the Noise Reducer filter provides a simple, single noise reduction control for the entire spectrum. Additional features include adjustable Output Gain and optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**List Price: \$395      GSA qty 1-10: \$338      qty 11-20: \$330      qty 21 or more: \$318**

#### ◆ **MiniLab Parametric EQ Plug-In**

The CARDINAL MiniLab Parametric EQ Plug-In provides an “analog-like”, non-linear-phase reshaping of the signal spectrum by means of eight cascaded, adjustable bandpass filters, or “stages”. Each stage features adjustable Center Frequency, Width Factor, and Boost/Cut parameters. Additional features include Output Gain/Attenuation and optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**List Price: \$245      GSA qty 1-10: \$210      qty 11-20: \$205      qty 21 or more: \$197**

#### ◆ **MiniLab Graphic EQ Plug-In**

The CARDINAL MiniLab Graphic EQ Plug-In provides true linear-phase, precision reshaping of the signal spectrum, via the 20-Band Graphic and Hi-Res Graphic Equalizers. The 20-Band Graphic Equalizer filter provides the classic multi-band graphic EQ with 20 adjustable frequency “sliders”, while the Hi-Res Graphic Equalizer permits precisely drawing and manipulating the desired EQ curve using the mouse. Both filters feature optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**List Price: \$245      GSA qty 1-10: \$210      qty 11-20: \$205      qty 21 or more: \$197**

### ◆ MiniLab Gain Plug-In

The CARDINAL MiniLab Gain Plug-In provides dynamic level processing to correct for audio level issues as near/far party voices due to different distances of talkers from the microphone, via the Automatic Gain Control (AGC) and the Limiter/Compressor/Expander (LCE). The AGC features adjustable Release Time and Maximum Gain. The Limiter/Compressor/Expander features three adjustable regions (limiter, compressor, and expander), adjustable Compression and Expansion Ratios, adjustable Attack and Release Times, and adjustable Look Ahead Time. Both filters included in this plug-in feature optional resampling to 16kHz. This plug-in is included in both the Forensic Suite and the Advanced Suite.

**List Price: \$245**

**GSA qty 1-10: \$210**

**qty 11-20: \$205**

**qty 21 or more: \$197**

### CARDINAL AudioLab Forensic Audio Workstation (Overview)

*Fully integrating the capabilities of both hardware and software, the CARDINAL AudioLab workstation seamlessly handles forensic analysis and processing of all analog and digital media. The powerful AccelCore external processor hardware, based on the Analog Devices TigerSHARC® floating-point DSP, provides all audio I/O and implements comprehensive real-time filtering operations including Comb filter, 1CH Adaptive and Reference Canceller filters, Spectral Subtraction noise reduction filters, Spectral Inverse filters, and numerous other standard filters, equalizers, and dynamic level processors. Software-based DirectX plug-ins are also supported in real-time within the AudioLab software environment, including Clipped-Peak Restoration, Declicker / Decrackler, and Denoiser tools. All filters and visualization tools support multiple instances up to the maximum resource limitations of the PC, the IEEE-1394 "Firewire" interface, and the AccelCore DSP hardware. A special "ASIO" driver allows direct handling of file-based digital media, and also allows many third-party software products (including Adobe Audition and Sound Forge) to directly utilize the AccelCore for their audio I/O. CARDINAL's virtual patching capability eliminates awkward patch panels for most laboratory installations. Purchase includes one copy of an audio file management tool (Adobe Audition or other equivalent third-party software).*

### ◆ CARDINAL Tech Agent

CARDINAL Tech Agent (AudioLab Software + AccelCore LE Hardware) provides the most needed signal processing and audio input/output capabilities, and is recommended for most practical audio clarification applications. Though typically rack-mounted in a fixed installation, the compact hardware, when combined with a good laptop computer, can also provide a complete, portable audio laboratory. Specific hardware capabilities of the AccelCore LE include: 5-chip TigerSHARC® DSP array, 2 channels of RCA analog I/O, TOSLINK optical digital I/O (which can optionally operate in ADAT 8-channel mode), S/PDIF coaxial digital I/O, TOSLINK optical digital monitor output for connecting digital amplified loudspeakers (such as the Edirol MA-15D), and dual front-panel 3.5mm stereo headphone jacks. Also, a 3.5mm "mini" analog input jack is provided on the front panel for quick connection of unusual devices, such as miniature recorders, digital audio players, etc. AccelCore LE is powered by an external universal AC power supply, and interfaces with any modern Windows-based PC (Windows 7, dual displays recommended) that provides at least one available IEEE-1394a connection. It is a 1U (1.75" height), 8.5" half-rack mountable unit, which can also be placed in a convenient vertical orientation on a desktop using the special base plate; both the base plate and rack mount ears suitable for installation in a 19" equipment rack are included with purchase.

**List Price: \$16,900**

**GSA qty 1-10: \$14,473**

**qty 11-20: \$14,132**

**qty 21 or more: \$13,621**

### ◆ Legacy Product Upgrade to CARDINAL Tech Agent

Upgrade of one MCAP, PCAP II, PCAP II Plus, or PCAP4600S to one set of CARDINAL AudioLab Software + AccelCore LE Hardware. **Valid serial number must be provided to Salient Sciences to qualify for upgrade.**

**List Price: \$15,040**

**GSA qty 1-10: \$12,880**

**qty 11-20: \$12,577**

**qty 21 or more: \$12,122**

### ◆ CARDINAL Forensic Examiner

CARDINAL Forensic Examiner (AudioLab software plus AccelCore 24/192 hardware) provides maximum signal processing and audio input/output capacity for the AudioLab software environment, and is recommended for use in advanced forensic audio laboratories where multiple types of analog and digital audio source material may need to be handled on a daily basis. Specific hardware capabilities of the AccelCore 24/192 include: 9-chip TigerSHARC DSP array, 8 channels of balanced analog I/O, AES/EBU digital I/O, dual TOSLINK optical digital I/O, dual S/PDIF coaxial digital I/O, ADAT 8-channel optical I/O, dual monitor outputs for connecting amplified speakers, and dual front-panel ¼" stereo headphone jacks. Also, one additional TOSLINK digital input and two RCA analog input jacks are provided on the front panel for quick connection of unusual devices, such as miniature recorders. AccelCore 24/192 is powered by a built-in universal AC power supply, and interfaces with any modern Windows-based PC (Windows XP or Vista, dual displays recommended) that provides at least one available IEEE-1394a connection. It is a 3U (5.25" height), 19" rack-mountable unit; rack mount ears are included with purchase.

**List Price: \$24,900**

**GSA qty 1-10: \$21,324**

**qty 11-20: \$20,822**

**qty 21 or more: \$20,069**



#### ◆ Legacy Product Upgrade to CARDINAL Forensic Examiner

Upgrade of one MCAP, PCAP II, PCAP II Plus, or PCAP4600S to one set of CARDINAL AudioLab Software + AccelCore 24/192 Hardware. **Valid serial number must be provided to Salient Sciences to qualify for upgrade.**

**List Price: \$22,500      GSA qty 1-10: \$19,268      qty 11-20: \$18,815      qty 21 or more: \$18,135**

#### ◆ QuickEnhance® Plug-In

The QuickEnhance® Plug-In provides a comprehensive, easy-to-use, forensic audio enhancement tool for use with many audio editor software packages. Included in the software installation package are two versions of the plug-in: QuickEnhance /AS (Audio Suite format for Windows-based versions of Avid ProTools and Media Composer) and QuickEnhance VST (VST format for most popular Windows-based audio / video editors, including Adobe Audition, Sony Sound Forge, Acon Acoustica, iZotope, and Audacity). With an innovative user interface designed for simple, intuitive operation by novice and occasional users, QuickEnhance efficiently and effectively improves the intelligibility of voice recordings by reducing typical background noise sources such as hum, motors and fans, static, and hiss. Additionally, reverberations in speech can be reduced, and multi-band equalization can be applied to improve the final sound quality, with a final AGC stage compensating for near/far talker level differences in the clarified conversation. Boxed media includes: QuickEnhance software CD, printed user's manual, and a DACLok USB licensing dongle. Upon request, an alphanumeric license key for the QuickEnhance software can be provided in lieu of the DACLok dongle.

**List Price: \$620      GSA qty 1-10: \$531      qty 11-20: \$518      qty 21 or more: \$500**

#### ◆ QuickEnhance® Acoustica Bundle

QuickEnhance® Plug-In bundled with Acon Acoustica Premium Audio Editor Software. Boxed media includes: QuickEnhance software CD, printed user's manual, DACLok USB license dongle, and alphanumeric license key for Acon Acoustica. Upon request, an alphanumeric license key for the QuickEnhance software can be provided in lieu of the DACLok dongle.

**List Price: \$745      GSA qty 1-10: \$638      qty 11-20: \$623      qty 21 or more: \$600**

### **Specialty Audio Devices**

#### ◆ AUDIOPHILE Front-End Audio Processor

AUDIOPHILE is a compact unit with robust signal processing and voice activity detection. It has dual 512<sup>th</sup> order adaptive filters with 7.5 kHz audio bandwidth. Additional processing includes: spectral subtraction random noise reduction, adaptive spectral inverse auto-equalization, and automatic gain control. Following the noise reduction processing is a "smart VOX" algorithm, which automatically detects the presence of speech in the final signal and outputs either silence or "C" tone when speech is not present. Balanced audio input and output is accomplished via "Phoenix" terminal strip connectors. AUDIOPHILE operates on 12 VDC, or with the supplied universal AC adaptor. The included Windows configuration software utility allows interactive operation of the unit and programming of filter parameters into the internal flash memory, via the included USB interface cable.

**List Price: \$1,730      GSA qty 1-10: \$1,482      qty 11-20: \$1,447      qty 21 or more: \$1,394**

#### ◆ MicroDAC 5 Stereo Multi-Reference Canceller

The fifth-generation MicroDAC 5 utilizes the latest floating-point DSP technology to offer unprecedented real-time performance and ease of use for "sharp-end" filtering applications such as radio/TV audio cancellation. With four channels of input and two channels of output, up to 3 independent references can be cancelled from a monaural audio source, or up to 2 independent references can be cancelled from a stereo source to produce a stereo processed output. Processing can be performed at bandwidths of 5, 10, or 20 kHz, depending upon the desired audio quality. The USB interface allows the advanced user to interactively operate the unit and optionally store a special filter setup into the unit's flash memory for stand-alone use. A special lock/unlock key sequence helps to prevent accidental tampering and also allows clearing of any stored program. MicroDAC 5 is powered by 9-18 VDC, and includes TOSLINK and S/PDIF digital inputs and 44.1kHz TOSLINK digital output. This allows direct digital interconnection with common digital recorders and digital wireless microphone receivers. Included in the basic package are the USB interface cable, car lighter adaptor cable, universal AC adaptor, Windows® software CD, and user manual.

**List Price: \$7,500      GSA qty 1-10: \$6,423      qty 11-20: \$6,272      qty 21 or more: \$6,045**

#### ◆ QuickEnhance® QE-1500 Audio Processor

QuickEnhance® QE-1500 is a tactical audio processing field kit. It offers five stages of robust, stereo digital signal processing including an adjustable 50/60 Hz hum filter, broadband noise reduction filter, adaptive deconvolver, 10-band graphic equalizer, and automatic gain control. QE-1500 features both analog I/O and digital I/O, including S/PDIF and TOSLINK formats. A digital recorder is mounted in the QE-1500 case to allow recording of the processed audio. Packaged in a Pelican® rugged carrying-case, the QE-1500 offers fast, simple, effective audio processing to go!

**List Price: \$3,830      GSA qty 1-10: \$3,280      qty 11-20: \$3,203      qty 21 or more: \$3,087**

#### ◆ QuickEnhance® QE-10 Audio Processor

Identical to QE-1500, except 2U x 19" rack-mount packaging, shallow 8" depth form factor, and 9-18 VDC power input (universal AC adaptor included), ideal for surveillance van installation. No recorder included with the QE-10, unit is audio processor only.

**List Price: \$2,735      GSA qty 1-10: \$2,342      qty 11-20: \$2,287      qty 21 or more: \$2,204**

#### ◆ PIP II Probe Interface Pod

The PIP II is a high performance amplifier designed specifically for countermeasures. It features a built-in phantom power supply and has sheathed banana jacks to protect the user. PIP II removes hum, allowing up to 80 dB of gain to be applied, and is powered by the universal AC adaptor or two 9V alkaline batteries (included).

**List Price: \$750      GSA qty 1-10: \$642      qty 11-20: \$627      qty 21 or more: \$605**

#### ◆ TIP II Transducer Interface Pod

The TIP II is a high performance amplifier designed for use with all types of microphones and accelerometers. The unit is suitable for both countermeasures and surveillance applications, and is powered by the universal AC adaptor or two 9V batteries (included).

**List Price: \$750      GSA qty 1-10: \$642      qty 11-20: \$627      qty 21 or more: \$605**

## **Audio Collection Products**

### ◆ **SSABR Mini Audio Recorder**

SSABR Mini's enclosure is 0.95"W x 2.6"L x 0.4"H and features dual internal microphones, a single "nano" connector for attaching one external accessory item (**optional, listed separately**), a single pushbutton and simple LED indicator for easy operation, and an internal 390mAh rechargeable Lithium-Ion battery. SSABR Mini is configured with 2GB of flash memory for record times of 25.6 hours stereo or 51.2 hours mono (5kHz bandwidth setting). Maximum run time on the internal battery is approximately 13.5 hours. Included in the base package are the USB downlink cable, SSABR software CD, user manual, special screwdriver for attaching optional accessories, and a plastic carrying case.

**List Price: \$1,995      GSA qty 1-10: \$1,708      qty 11-20: \$1,668      qty 21 or more: \$1,608**

### ◆ **SSABR MiniTX2 Audio Recorder Transmitter**

SSABR MiniTX2's enclosure is 1.7"W x 2.6"L x 0.5"H and features dual internal microphones, a single "nano" connector for attaching one external accessory item (**optional, listed separately**), a single pushbutton and simple LED indicator for easy operation, an internal 890mAh rechargeable Lithium-Ion battery, and an integrated 15-channel, 200 mW FM officer safety transmitter that is factory programmable to the customer's desired frequencies in the range of 148-174 MHz. SSABR MiniTX2 is configured with 2GB of flash memory for record times of 25.6 hours stereo or 51.2 hours mono (5kHz bandwidth setting). Maximum run time on the internal battery, with the transmitter active, is approximately 6 hours. Included in the base package are the USB downlink cable, SSABR software CD, user manual, special screwdriver for attaching optional accessories, 18" flex antenna for the transmitter, and a plastic carrying case.

**List Price: \$4,295      GSA qty 1-10: \$3,678      qty 11-20: \$3,592      qty 21 or more: \$3,462**

### ◆ **SG3-EXSM Stereo External Microphone**

Stereo External Microphone Harness with 3-ft. cables.

**List Price: \$345      GSA qty 1-10: \$295      qty 11-20: \$288      qty 21 or more: \$278**

### ◆ **SG3-EXMM Mono External Microphone**

Mono External Microphone Harness with 3-ft. microphone cable and 9V battery adaptor.

**List Price: \$245      GSA qty 1-10: \$210      qty 11-20: \$205      qty 21 or more: \$197**

### ◆ **SG3-EXS External Slide Switch**

External Slide Switch Harness with 6-ft. cable and 9V battery adaptor.

**List Price: \$195      GSA qty 1-10: \$167      qty 11-20: \$163      qty 21 or more: \$157**

### ◆ **SG3-LINP Line Input Adaptor Kit**

3-foot stereo RCA input adaptor cable, allowing input of line-level source for recording.

**List Price: \$145      GSA qty 1-10: \$124      qty 11-20: \$121      qty 21 or more: \$117**

### ◆ **SG3-CCH Car Charger Kit**

6-foot cable with cigarette lighter plug, allowing charging from 12VDC automotive power. Also includes line output adaptor.

**List Price: \$145      GSA qty 1-10: \$124      qty 11-20: \$121      qty 21 or more: \$117**

### ◆ **SG3-9VLN Battery and Line Output Adaptor**

9V battery and line output adaptor, allowing extended record times beyond that available with the internal battery alone and connection of audio to external devices.

**List Price: \$145      GSA qty 1-10: \$124      qty 11-20: \$121      qty 21 or more: \$117**

### ◆ **SG3-TP3CX Cellphone Recording Interface**

"Earbud" microphone with 3-foot cable, special shielding, and noise filtering, which is connected to the SSABR and placed between the ear and any mobile phone to allow clear recording of both sides of the conversation without RF interference.

**List Price: \$195      GSA qty 1-10: \$167      qty 11-20: \$163      qty 21 or more: \$157**

### ◆ **SG3-TR1 Landline Telephone Recording Interface**

Special modular adaptor with 3-foot cable, which is connected to the SSABR and placed between the handset and the base station of most landline telephones to allow clear recording of both sides of the conversation.

**List Price: \$165      GSA qty 1-10: \$141      qty 11-20: \$138      qty 21 or more: \$133**

## SPECIAL ITEM NO. 58-8

All prices listed are Government net price. Discounts have been deducted and IFF applied.

### **Product Education and Training**

#### ◆ **Accelerated DAC School™ (Scheduled)**

<b>List Price:</b> \$900
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<b>GSA Price:</b> \$771
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Based on the CARDINAL MiniLab Advanced Suite, Accelerated DAC School (Scheduled) is a three-day intensive training course intended to provide practical instruction on forensic audio processing concepts, advanced techniques, and third-party tools that can be used in conjunction with Salient Sciences' tools. Both the novice technical investigator and the experienced audio technician should benefit from this 50% classroom, 50% hands-on training experience. The course is typically scheduled twice a year (one in the spring, one in the fall) at selected conference hotels in the United States. Travel, lodging, and meals expenses are not included in the tuition cost; however, Salient Sciences generally negotiates special conference hotel rates for these courses. Information on the hotel will be provided with the course registration materials. Please contact Salient Sciences for course registration and hotel information. Participation is limited to 12 students, and is strictly limited to law-enforcement and governmental personnel ONLY.

#### ◆ **Accelerated DAC School™ (Non-Scheduled)**

<b>List Price:</b> \$1,495
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<b>GSA Price:</b> \$1,280
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Based on Salient Sciences' CARDINAL forensic audio platform, the Accelerated DAC School (Non-Scheduled) is a three-day intensive training course intended to provide practical instruction on forensic audio processing concepts, advanced techniques, and third-party tools that can be used in conjunction with Salient Sciences' tools. Both the novice technical investigator and the experienced audio technician should benefit from this 50% classroom, 50% hands-on training experience. Unlike the scheduled Accelerated DAC Schools, which are special events organized by Salient Sciences, this course is available more frequently throughout the year, based upon schedule availability of Salient Sciences training personnel, and exclusive sessions can also be arranged (at least 3 students are required for exclusive sessions). All travel, lodging, and meals expenses are the sole responsibility of each student, including transportation between the hotel and the Salient Sciences facility each day. Please contact Salient Sciences for course registration and local hotel information. Due to training room limitations, participation is limited to 8 students.

#### ◆ **On-Site Accelerated DAC School™**

<b>List Price:</b> \$8,500
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<b>GSA Price:</b> \$7,279
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Based on the Salient Sciences CARDINAL MiniLab Advanced Suite, Accelerated DAC School™ is a three-day intensive training course intended to provide practical instruction on forensic audio processing concepts, advanced techniques, and third-party tools that can be used in conjunction with Salient Sciences' tools. Both the novice technical investigator and the experienced audio technician should benefit from this 50% classroom, 50% hands-on training experience. For the on-site version of this course, the instructor will travel to the customer's facility, anywhere in the continental United States, and provide training for up to 12 students. All travel, lodging, and meals expenses for the instructor, plus all training equipment and materials, are included in the price. Customer must provide training room with a computer projector and loudspeakers for the instructor to use, plus sufficient space, furniture, and power to accommodate 12 students and 13 laptop computers.

#### ◆ **VideoFOCUS Training**

<b>List Price:</b> \$600
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<b>GSA Price:</b> \$514
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Based on the Salient Sciences VideoFOCUS forensic video platform, this intensive two-day course covers forensic video clarification concepts, details on the operation of the VideoFOCUS software, and hands-on practice applying the software to real-world video materials. The course is typically held 2-3 times per year at various locations in the continental United States, and occasionally at the Salient Sciences facility in Durham, NC. All travel, lodging, and meals expenses are the sole responsibility of each student, including transportation between the hotel and the training facility each day, if required. Please contact Salient Sciences for course registration and hotel information. Participation is limited to 8-10 students, depending on the location.

#### ◆ **On-Site VideoFOCUS Training**

<b>List Price:</b> \$4,500
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<b>GSA Price:</b> \$3,854
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Based on the Salient Sciences VideoFOCUS forensic video platform, this intensive two-day course covers forensic video clarification concepts, details on the operation of the VideoFOCUS software, and hands-on practice applying the software to real-world video materials. For the on-site version of this course, the instructor will travel to the customer's facility, anywhere in the continental United States, and provide training for up to 10 students. All travel, lodging, and meals expenses for the instructor, plus all training equipment and materials, are included in the price. Customer must provide training room with a computer projector and loudspeakers for the instructor to use, plus sufficient space, furniture, and power to accommodate 10 students and 11 laptop computers.

## **Engineering Services**

*Salient Sciences offers Engineering services for the purpose of modifying its existing audio and video products; designing and manufacturing new audio, video, and/or related products; integrating audio, video, and/or related products to provide a complete system solution; and providing comprehensive technical support and training on these customized items. All Engineering Services Professional Labor Categories are provided at an hourly rate, including all overhead costs for employees working at the Salient Sciences facility. For longer term projects, rates are specified for Year 1, Year 2, and Year 3. Materials and travel are not included in these rates; these items would be billed either at actual cost or, in the case of Salient Sciences products, per the relevant price list.*

### **Professional Labor Categories**

#### **Job Title: Program Manager**

**Minimum/General Experience:** 10 years of related technical and managerial experience. Ability to manage complex program activities and act as customer liaison for program progress reports. A Master's degree substitutes for two years experience and a Ph.D. substitutes for 5 years experience.

**Functional Responsibility:** Management position provides overall direction of program activities and personnel. Manages functional area or business line programs that are sensitive or critical in nature, broad in scope and impact, and significant in terms of company-committed resources. Provides senior interface between client and company resources and manager assigned programs to meet client requirements. Works with the client and program director to establish policy and strategic direction for programs. Communicates with senior levels of the client on a frequent basis. Ensures client satisfaction with company performance. Responsible for program oversight of budget, planning and scheduling, progress reporting, earned value, performance analysis, technical risk analysis, financial planning, quality assurance and quality control, and delivery of services. Monitors assigned project managers to ensure that appropriate technical and administrative personnel are assigned to the program. Provides program leadership to assigned project teams.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering or Computer Science, or equivalent education/experience.

#### **Job Title: Project Engineer**

**Minimum/General Experience:** Must have 5-10 years experience of digital audio- and video-related project work. Provides high-level technological problem solving, leads and/or serves as primary technical resource for engineering design and systems integration effort. Operates with considerable latitude.

**Functional Responsibility:** Engineering position performs in respective engineering discipline of systems engineering, electrical engineering, digital signal processing, computer software development, human factors engineering, or other relevant engineering discipline. Provides a high level of administrative and technical support. This includes completing complex and lengthy technical reports, proposals, and creating and maintaining complex systems and databases in compliance with various organizational requirements.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering or Computer Science, or equivalent education/experience. Master's degree preferred.

#### **Job Title: Software Developer**

**Minimum/General Experience:** Five to ten years of applications programming experience in the area of digital audio and video.

**Functional Responsibility:** Engineering position develops application programs in accordance with program and system design specifications. Translates detailed design into coded instructions and database structures. Tests, debugs and refines programs to produce the desired results. Refines programs to reduce operating time and efficiency. Develops all necessary documentation including operational procedures.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering or Computer Science, or equivalent education/experience.

**Job Title: Hardware Design Engineer**

**Minimum/General Experience:** Five to ten years of experience in the area of digital audio and video hardware design, including DSP, analog and digital, power, PCB layout oversight, and packaging design.

**Functional Responsibility:** Engineering position performs in respective engineering discipline of systems engineering, electrical engineering, digital signal processing, human factors engineering, or other relevant engineering discipline.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering or equivalent education/experience.

**Job Title: Manufacturing Engineer**

**Minimum/General Experience:** Five to 10 years of experience in electronic manufacturing, particularly in the area of SMT PCB assembly.

**Functional Responsibility:** Engineering position responsible for developing and communicating the required manufacturing methods, testing procedures, bills of materials, and all manufacturing drawings and documents as necessary to produce electronic devices in the necessary quantities using either in-house or outsourced manufacturing resources. Analyzes failure rates of manufactured products, recommends design changes as necessary to minimize the recurrence of faults and defects.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering, Industrial Engineering, or equivalent education/experience.

**Job Title: Junior Engineer / Draftsman**

**Minimum/General Experience:** One to three years of experience in digital systems and software design, testing, and/or documentation tasks.

**Functional Responsibility:** Under the supervision of a more senior engineer, performs in respective engineering discipline of systems engineering, electrical engineering, digital signal processing, human factors engineering, or other relevant engineering discipline. Prepares detailed mechanical and electronic design drawings using CAD and other tools.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering or equivalent education/experience.

**Job Title: Technical Support / Training Specialist**

**Minimum/General Experience:** Three to five years of experience providing customer technical training and technical support for digital audio- and video-related products.

**Functional Responsibility:** Works with both the design team and the customer to get a complete understanding of both the technical capabilities and the application of the product, then develops training curricula and materials as necessary to provide operational training. Provides feedback to the design team as technical issues and/or new feature needs are identified, drives these to final resolution on behalf of the customer.

**Minimum Education:** Bachelor's Degree in applicable engineering discipline such as Electrical Engineering or equivalent education/experience.

**Job Title: Technician**

**Minimum/General Experience:** One to three years of experience in digital systems checkout and testing.

**Functional Responsibility:** Under the supervision of a more senior engineer, runs tests on electronic products after they are manufactured to ensure they perform according to specifications. Also, runs tests on returned items to diagnose faults and makes repairs as necessary to restore the devices' proper operation.

**Minimum Education:** Associate's Degree in applicable technical discipline such as Electronic or Electrical Engineering, or equivalent education/experience.

**Job Title: Electronic Assembler**

**Minimum/General Experience:** One to three years of experience assembling digital and analog circuit boards and packaging.

**Functional Responsibility:** Performs detailed assembly of surface-mount (SMT) printed circuit boards (PCBs) and electronic packaging using the prescribed manufacturing methods and documentation.

**Minimum Education:** High School Diploma or equivalent education/experience.

**Job Title: Administrative Assistant / Clerk**

**Minimum/General Experience:** One to three years of experience in general office and clerical work.

**Functional responsibility:** Provides administrative assistance and support to an organizational area. Typical functions include preparing project correspondence and reports; maintaining project logs; preparing documents for review and edit; and coordinating administrative processes and issues for the supported element; exercises independent judgment within established administrative policy and procedural guidelines. Helps to prepare budgets and schedules.

**Minimum Education:** Bachelor's Degree in applicable discipline such as Business Administration, Accounting, or equivalent education/experience.

### Professional Labor Rates (Per Hour)

Labor Category	List Rate	GSA Rate (Year 1)	GSA Rate (Year 2)	GSA Rate (Year 3)
Program Manager	\$125.00	\$107.05	\$112.40	\$118.02
Project Engineer	\$115.00	\$98.48	\$103.41	\$108.58
Software Developer	\$105.00	\$89.92	\$94.42	\$99.14
Hardware Design Engineer	\$105.00	\$89.92	\$94.42	\$99.14
Manufacturing Engineer	\$105.00	\$89.92	\$94.42	\$99.14
Junior Engineer / Draftsman	\$80.00	\$68.51	\$71.94	\$75.53
Technical Support / Training Specialist	\$80.00	\$68.51	\$71.94	\$75.53
Technician	\$55.00	\$47.10	\$49.46	\$51.93
Electronic Assembler	\$40.00	\$34.26	\$35.97	\$37.77
Administrative Assistant / Clerk	\$40.00	\$34.26	\$35.97	\$37.77



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